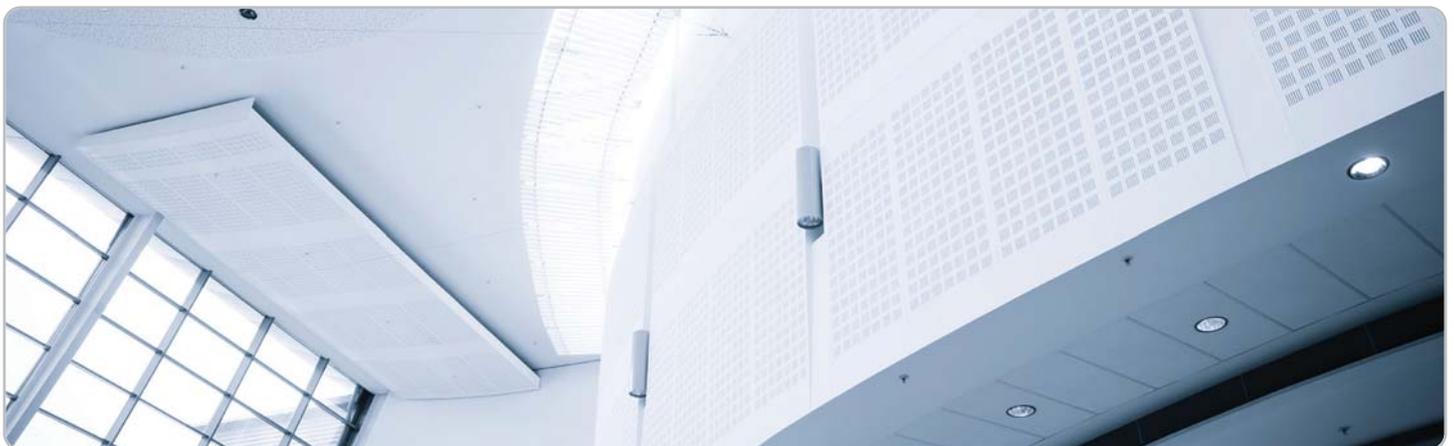
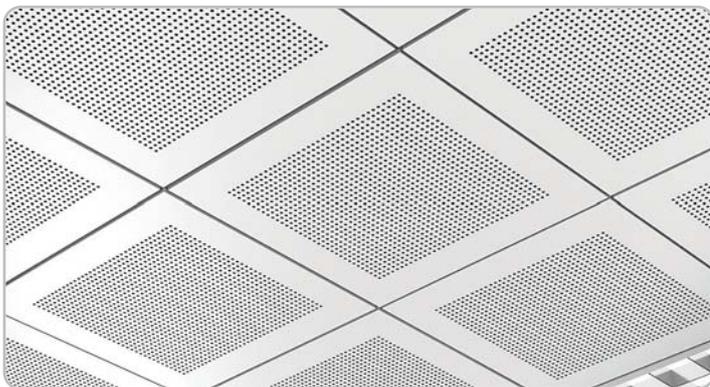




Acoustimax™ non-woven solutions for acoustic management

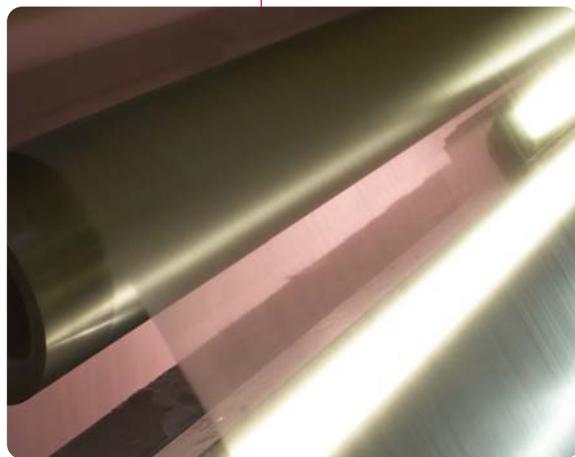


Owens Corning is the leader in glass science responsible for all innovations in glass including E, Advantex® brand and high performance glass over a period of more than 30 years.

Our expertise in chemistry enables leading solutions in every product form from continuous roving to non-woven glass chemistry.

Our state of the art facilities allow us to work in partnership with our customers to develop non-woven solutions for specific applications.

Owens Corning global manufacturing platform ensures delivery of consistent solutions in all regions.



Applications of the Acoustimax™ products

Sound absorbing glass non-woven material for use behind suspended ceiling applications:

- Perforated metal ceiling tiles
- Perforated wooden ceiling panels
- Perforated plastic ceiling panels
- Perforated gypsum ceiling panels
- Available with temperature/pressure sensitive adhesive systems



Benefits of Acoustimax™ products in ceiling tile applications



Noise reduction coefficient
Acoustimax™ S non-woven offers high levels of absorption resulting in a noise reduction coefficient up to 0.73*.



Fire performance
The glass basis of Acoustimax™ non-woven technology results in low levels of flammability enabling the product to have a classification of A1 EN ISO 1182*.



Physical properties
Acoustimax™ non-woven tensile strength (MD & CD) makes the product stronger, more resilient and easier to handle during installation.



Durability & storage life
Acoustimax™ non-woven is a glass based technology offering superior performance in humid environments. The product has no shelf life.

* EN ISO 1182 testing standard (also DIN 4102-1/EN ISO 13501-1)

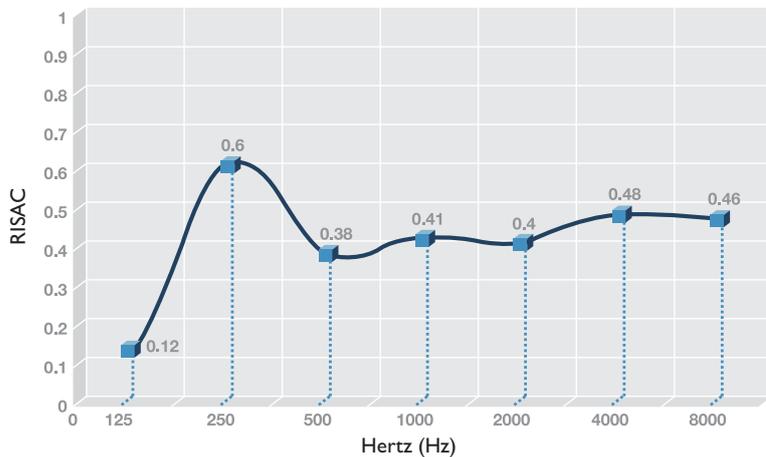
Acoustimax™ product range for ceiling applications



Products	Characteristics
Acoustimax™	<ul style="list-style-type: none"> • Black non-woven glass veil • Based on Advantex®
Acoustimax™ S Flame retardant binder system	<ul style="list-style-type: none"> • Average Fiber diameter 10 micron

Product characteristics and test methods:

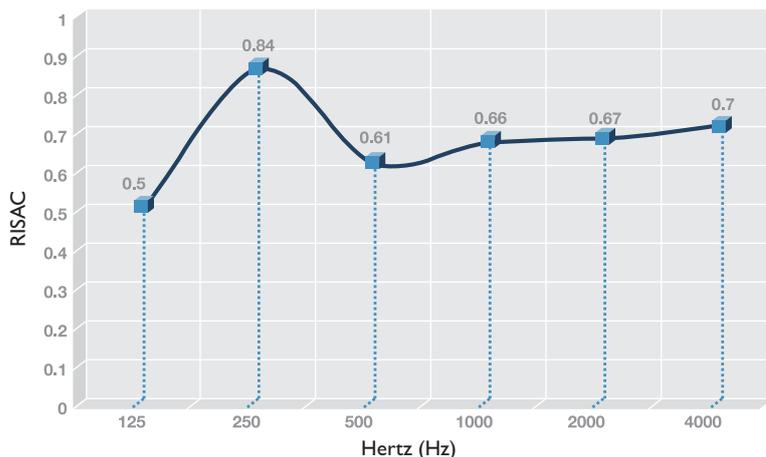
Property	Test method	Unit	Acoustimax™	Acoustimax™ S
Area weight	ISO 536	g/m ²	62	126
Thickness@0.5kPa	ISO 534	mm	0.50	0.45
Tensile strength MD	ISO 1924/2	N/50 mm	>190	>154
Tensile strength CD	ISO 1924/2	N/50 mm	>130	>108
Calorific value	ISO 1716	MJ/Kg	3.9	2.8
Noise reduction coefficient	ISO 354	NRC	0.45	0.73
Inflammability	EN ISO 1182 (EN 13501-1)	Class	A1	A1
Elongation at max tensile strength	N/A	%	1%	1%
Shelf life		Days	N/A	N/A



Acoustimax™ – Values of Random Incidence Sound Absorption Coefficient (RISAC)

- Perforated Metal Ceiling Tiles with 2.3mm diameter perforation holes
- 17% perforation Area of the ceiling tile
- Non Woven Glass Mat Glued on backside tested
- E-300 configuration at one third octave frequency

NRC = 0.45



Acoustimax™ S – Values of Random Incidence Sound Absorption Coefficient (RISAC)

- Perforated Metal Ceiling Tiles with 2.3mm diameter perforation holes
- 17% perforation Area of the ceiling tile
- Non Woven Glass Mat Glued on backside tested
- E-300 configuration at one third octave frequency

NRC = 0.73



INNOVATIONS FOR LIVING™

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